

FIG. 2

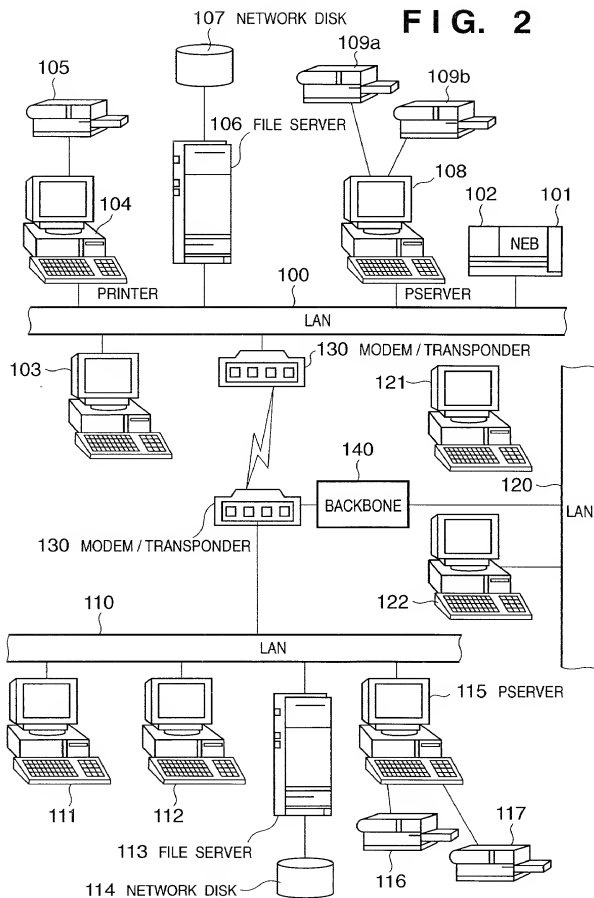


FIG. 3

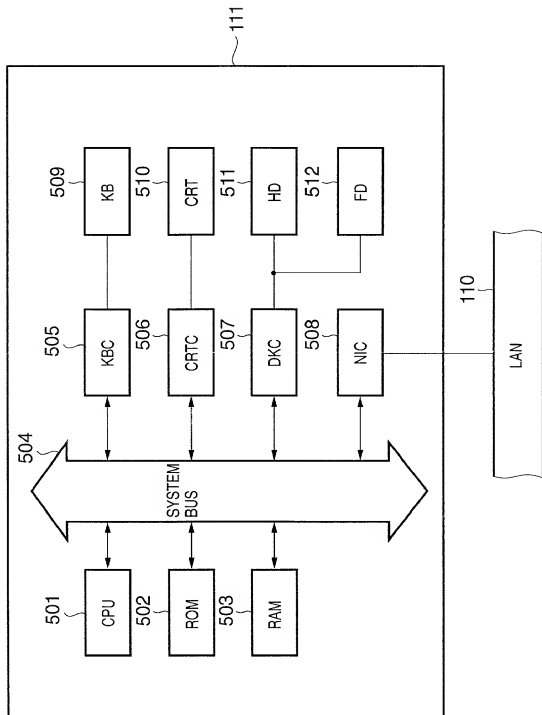


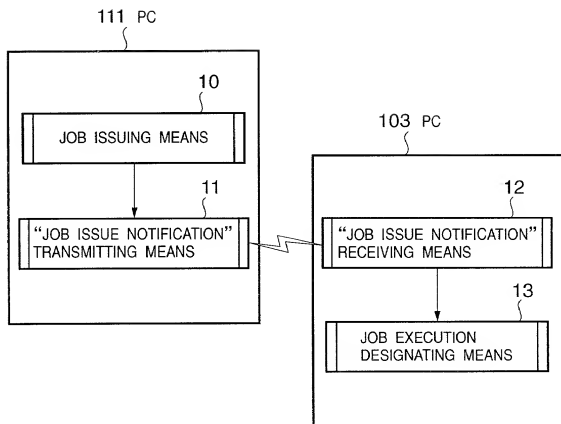
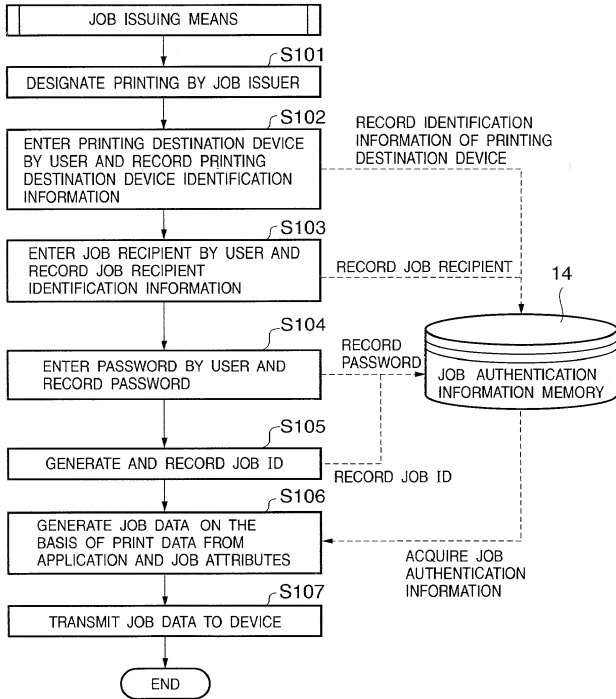
FIG. 4

FIG. 5



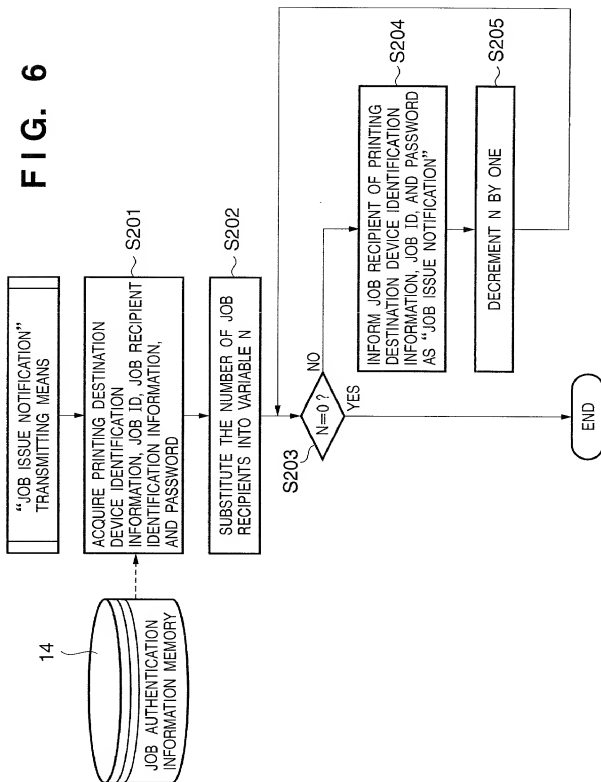


FIG. 7

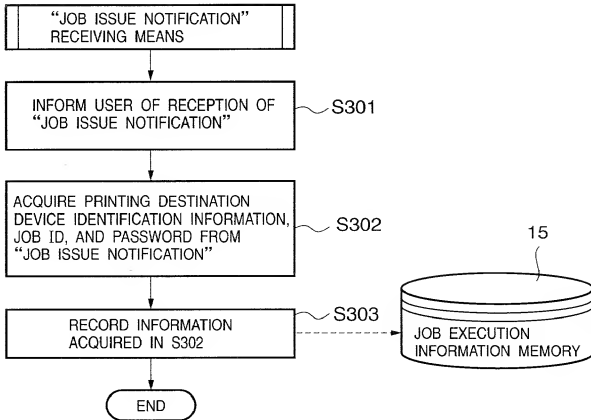
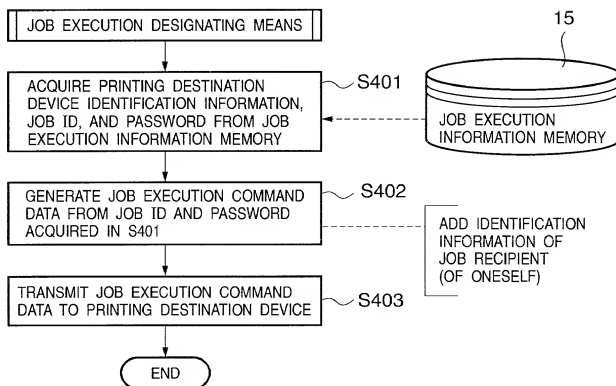


FIG. 8



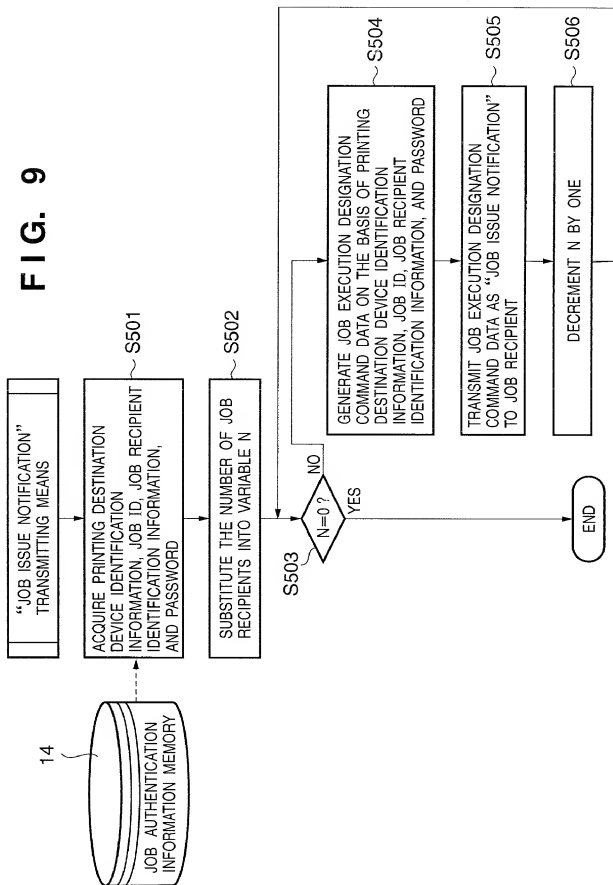


FIG. 10

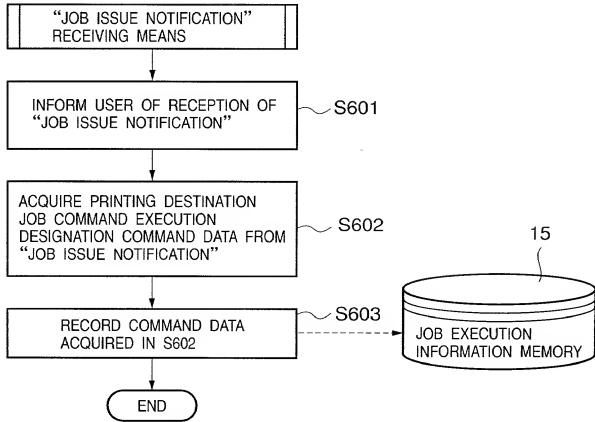


FIG. 11

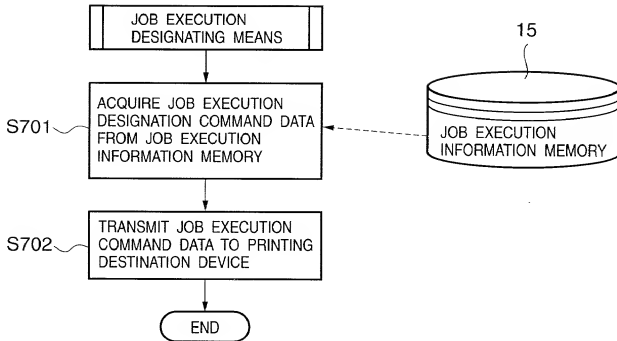


FIG. 12

OPERATIONS USED

OPERATION	FUNCTION SUMMARY	SCRIPT SUMMARY
JobStart	START ISSUE OF JOB	SET JOB ATTRIBUTES BY SetJob AND TERMINATE SETUP BY JobEnd
SetJob	SET JOB ATTRIBUTES	SET JOB ATTRIBUTES NECESSARY FOR JOB AUTHENTICATION BY THIS OPERATION
Send	TRANSMIT PRINT DATA	
JobEnd	TERMINATE ISSUE OF JOB	
ExecuteJob	DESIGNATE EXECUTION OF JOB	DESIGNATE JOB EXECUTION TOGETHER WITH JOB ATTRIBUTES NECESSARY FOR JOB EXECUTION DESIGNATION AND JOB AUTHENTICATION BY THIS OPERATION

FIG. 13

JobStart

[TRANSMISSION PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	RqRep. (1)	Cont. (0)	Send (0)
4~5	Operation Code=id_val_operation_job_start							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0009							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000							
20~23	Object Handle (JOB ID)							

[RETURN PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	NoRep. (0)	Cont. (0/1)	Reply (1)
4~5	Operation Code=id_val_operation_job_start							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0004							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000~0xFFFF							
20~23	Object Handle (JOB ID)							

FIG. 14

SetJob

[TRANSMISSION PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	RqRep. (0/1)	Cont. (0/1)	Send (0)
4~5	Operation Code=id_val_operation_Set_job							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0003~0xFFFF							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000							
20~21	Attribute ID=0x0000~0xFFFF							
22~	Attribute Data=ANY							

[RETURN PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	NoRep. (0)	Cont. (0/1)	Reply (1)
4~5	Operation Code=id_val_operation_Set_job							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0003~0xFFFF							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000~0xFFFF							
20~21	Attribute ID=0x0000~0xFFFF							
22~	Attribute Data=ANY							

FIG. 14 = 0309230

FIG. 15

Send
[TRANSMISSION PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	RqRep. (0/1)	Cont. (0/1)	Send (0)
4~5	Operation Code=id_val_operation_send							
6~7	Block Number=0x0000~0xFFFF							
8~9	Parameter Length=0x0002~0xFFFF							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000							
20~21	Send Mode=0x00~0xFF							
22~	Send Source=ANY							

[ANSWER PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	NoRep. (0)	Cont. (0)	Reply (1)
4~5	Operation Code=id_val_operation_send							
6~7	Block Number=0x0000~0xFFFF							
8~9	Parameter Length=0x0000							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000~0xFFFF							

FIG. 16

JobEnd
[TRANSMISSION PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	RqRep. (0/1)	Cont. (0)	Send (0)
4~5	Operation Code=id_val_operation_job_end							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0001							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000							
20	Control Flag=0x0001							

[RETURN PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	NoRep. (0)	Cont. (0/1)	Reply (1)
4~5	Operation Code=id_val_operation_job_end							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0005							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000~0xFFFF							
20	Control Flag=0x00~0x01							
21~24	Object Handle=0x00000000~0xFFFFFFFF							

FIG. 16: 04000000

FIG. 17

ExecuteJob

[TRANSMISSION PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	RqRep. (0/1)	Cont. (0)	Send (0)
4~5	Operation Code=id_val_operation_execute_job							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0004							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000							
20~23	Object Handle (JOB ID)							
24~25	Attribute ID=0x0000~0xFFFF							
26~	Attribute Data=ANY							

[RETURN PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	NoRep. (0)	Cont. (0)	Reply (1)
4~5	Operation Code=id_val_operation_execute_job							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0008							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000~0xFFFF							
20~23	Object Handle (JOB ID)							

FIG. 18

JOB ATTRIBUTES USED

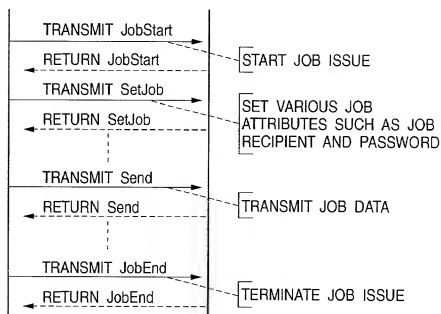
CLASSIFICATION	ATTRIBUTE	ATTRIBUTE IDENTIFIER
JOB ATTRIBUTES	JOB NAME	id_att_job_name
	TIME OF JOB SUBMISSION BY CLIENT	id_att_job_submission_time_on_client
	JOB ISSUER	id_att_job_originator
	JOB RECIPIENT	id_att_job_owner
	JOB PASSWORD	id_att_job_password

FIG. 19

JOB DATA TRANSMISSION
SEQUENCE FOR JOB ISSUE

111 PC

102 PRINTER



COMMAND DATA TRANSMISSION SEQUENCE FOR JOB EXECUTION DESIGNATION

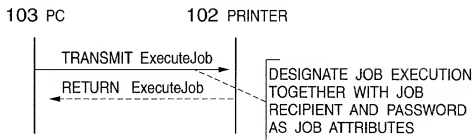


FIG. 22

JOB ID	RECEPTION TIME	ISSUER	PASSWORD	RECIPIENT	PRINT DATA	202a
00011	2000 / 02 / 10 10:45:15	×××	# # #	AAA (0), BBB (0), CCC (0)	00011.PRN	
⋮	⋮	⋮	⋮	⋮	⋮	
⋮	⋮	⋮	⋮	⋮	⋮	

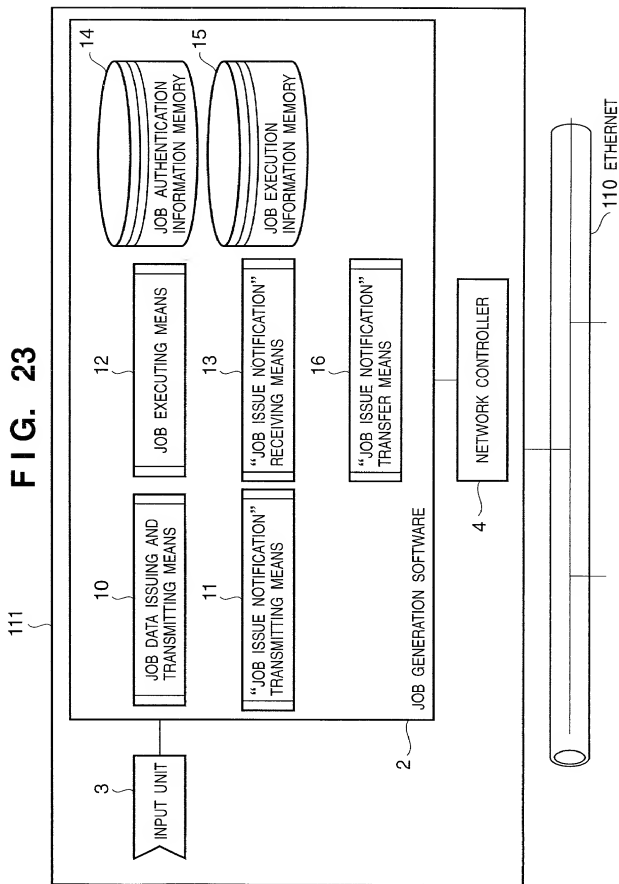


FIG. 24

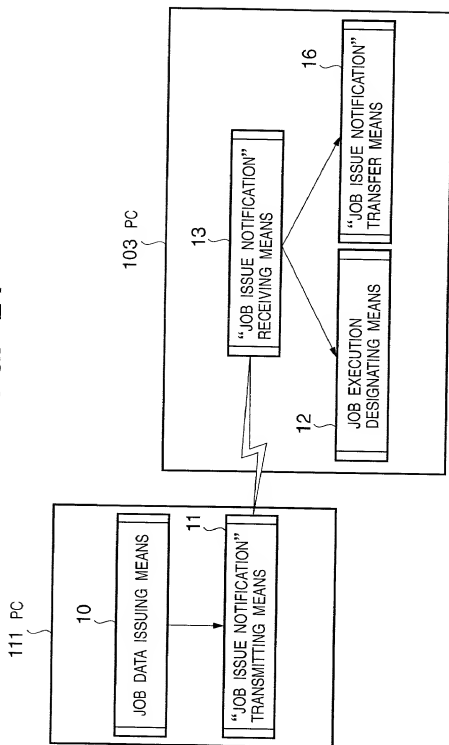


FIG. 25

RECORD IDENTIFICATION INFORMATION OF
PRINTING DESTINATION DEVICE

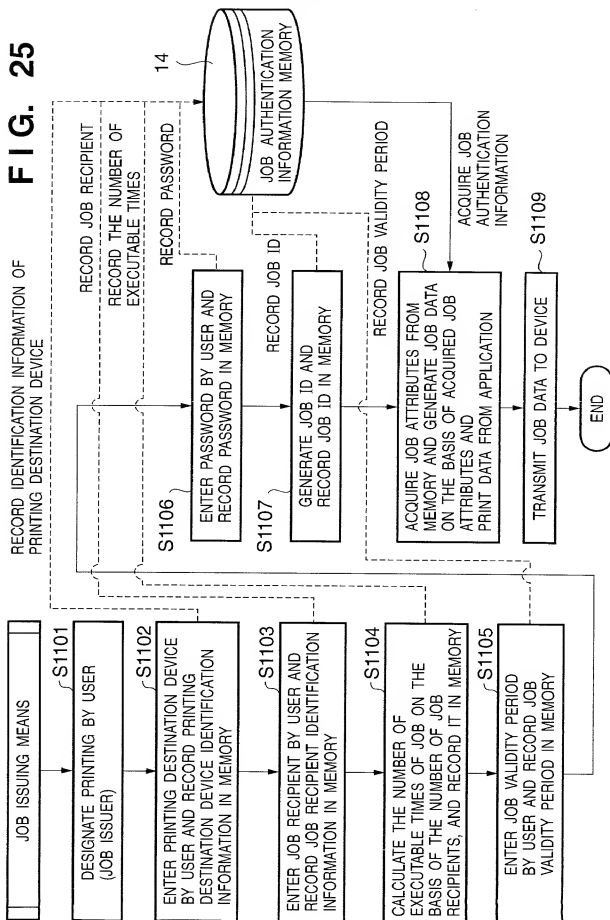


FIG. 26

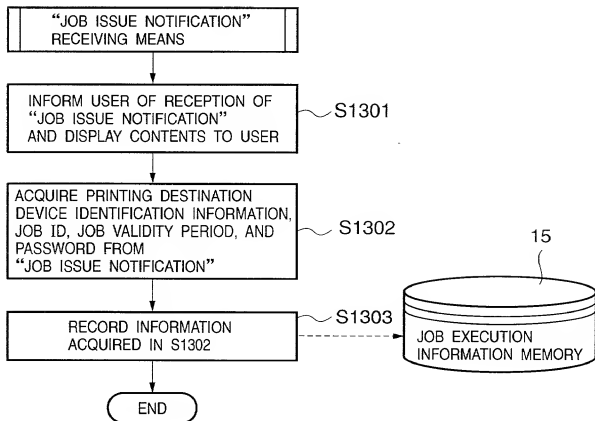


FIG. 27

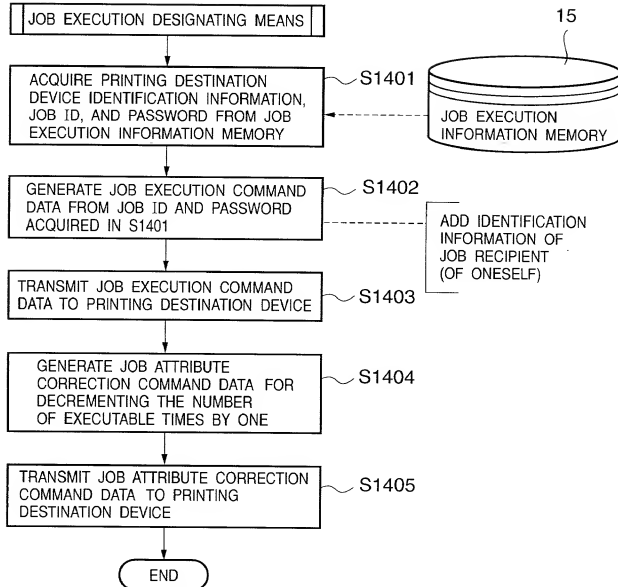
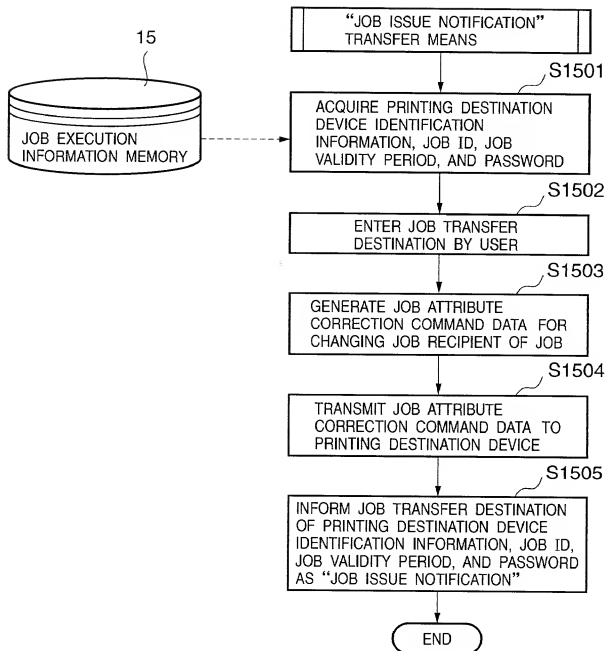


FIG. 28



OPERATIONS USED

OPERATION	FUNCTION SUMMARY	SCRIPT SUMMARY
JobStart	START ISSUE OF JOB	SET JOB ATTRIBUTES BY SetJob AND TERMINATE SETUP BY JobEnd
SetJob	SET JOB ATTRIBUTES	SET JOB ATTRIBUTES NECESSARY FOR JOB AUTHENTICATION BY THIS OPERATION
Send	TRANSMIT PRINT DATA	
JobEnd	TERMINATE ISSUE OF JOB	
Set	CORRECT JOB ATTRIBUTE	CORRECT JOB ATTRIBUTE IN ALREADY FORMED JOB DATA BY THIS OPERATION
ExecuteJob	DESIGNATE EXECUTION OF JOB	DESIGNATE JOB EXECUTION TOGETHER WITH JOB ATTRIBUTES NECESSARY FOR JOB EXECUTION DESIGNATION AND JOB AUTHENTICATION BY THIS OPERATION

FIG. 30

Set

[TRANSMISSION PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	RqRep. (0/1)	Cont. (0/1)	Send (0)
4~5	Operation Code=id_val_operation_set							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0007~0xFFFF							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000							
20~23	Object Handle (JOB ID)							
24~25	Attribute ID=0x0000~0xFFFF							
26~	Attribute Data=ANY							

[RETURN PACKET]

Bit Byte	7	6	5	4	3	2	1	0
0~2	Packet Header ID & Version							
3	0	0	0	0	0	NoRep. (0)	Cont. (0/1)	Reply (1)
4~5	Operation Code=id_val_operation_set							
6~7	Block Number=0x0001~0xFFFF							
8~9	Parameter Length=0x0006~0xFFFF							
10~13	User ID=0x00000000~0xFFFFFFFF							
14~17	Password=0x00000000~0xFFFFFFFF							
18~19	Status Code=0x0000~0xFFFF							
20~23	Object Handle (JOB ID)							
24~25	Attribute ID=0x0000~0xFFFF							
26~	Attribute Data=ANY							

FIG. 31

JOB ATTRIBUTES USED

CLASSIFICATION	ATTRIBUTE	ATTRIBUTE IDENTIFIER
JOB ATTRIBUTES	JOB NAME	id_att_job_name
	TIME OF JOB SUBMISSION BY CLIENT	id_att_job_submission_time_on_client
	JOB ISSUER	id_att_job_originator
	JOB RECIPIENT	id_att_job_owner
	JOB VALIDITY PERIOD	id_att_job_discard_time
	THE NUMBER OF EXECUTABLE TIMES OF JOB	id_att_job_available_count
	JOB PASSWORD	id_att_job_password

COMMAND DATA TRANSMISSION SEQUENCE FOR JOB ATTRIBUTE CORRECTION

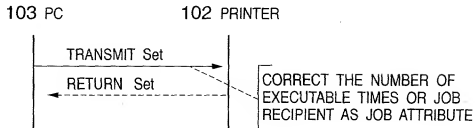


FIG. 33

